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(8) Designated Contracting States: AT BE CH DE ES FR GB GR IT LI LU NL SE (7) Applicant: PLESSEY OVERSEAS LIMITED Vicarage Lane
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(54) Acoustic transducers.

(7) An acoustic transducer, such as a headphone 2, comprises a housing with a vent 16 for venting fluid medium from the housing. The vent is dimensioned to ensure that laminar flow of the fluid medium through the vent 16 is maintained throughout the working range of the drive unit 14 of the transducer so that the amplitude response and phase response of the transducer are substantially invariant throughout the working range of the drive unit 14.

SOLNO
RESSIZE
LEVEL

SAME
SHAPE
EFFECT OF VENT
HOLES ON FREQUENCY
RESPONSE

FREQUENCY

FIG. 1.

Croydon Printing Company Ltd.



## EUROPEAN SEARCH REPORT

Applicatio 'amber

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US-A-3 602 329 (B. BAUER) * Figures; claims *		1,2,4,5				
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	Citation of document won frelevant AT-A- 337 795 ( * Figures; page 2 *  GB-A- 819 146 ( AND CABLES) * Page 1, lines 9 *  US-A-3 602 329 ( * Figures; claims  JS-A-4 071 717 ( * Column 2, lines figures *  EP-A-0 064 553 ( * Claims; figures  CH-A- 558 121 ( * Claims; figures	AT-A- 337 795 (R. GÖRIKE)  * Figures; page 2, lines 19-4.  * GB-A- 819 146 (STANDARD TELLA AND CABLES)  * Page 1, lines 9-74; figures;  * US-A-3 602 329 (B. BAUER)  * Figures; claims *  US-A-4 071 717 (W. FIDI)  * Column 2, lines 18-31; claims figures *  EP-A-0 064 553 (SONY)  * Claims; figures *  CH-A- 558 121 (H. PEIKER)  * Claims; figures *  CH-A- 558 121 (H. PEIKER)  * Claims; figures *  * CH-A- 558 121 (H. PEIKER)  * Claims; figures *  * CH-A- 558 121 (H. PEIKER)  * Claims; figures *  * Claims	AT-A- 337 795 (R. GÖRIKE)  * Figures; page 2, lines 19-44; claim 1  *  GB-A- 819 146 (STANDARD TELEPHONES AND CABLES)  * Page 1, lines 9-74; figures; claim 1  *  US-A-3 602 329 (B. BAUER)  * Figures; claims *  US-A-4 071 717 (W. FIDI)  * Column 2, lines 18-31; claims; figures *  EP-A-0 064 553 (SONY)  * Claims; figures *  CH-A- 558 121 (H. PEIKER)  * Claims; figures *  CH-A- 158 121 (H. PEIKER)  * Claims; figures *  CH-A- 558 121 (H. PEIKER)  * Claims; figures *  CH-A- 558 121 (H. PEIKER)  * Claims; figures *  CH-A- 558 121 (H. PEIKER)  * Claims; figures *  CH-A- 558 121 (H. PEIKER)  * Claims; figures *  * CH-A- 558 121 (H. PEIKER)  * Claims; figures *  * CH-A- 558 121 (H. PEIKER)  * Claims; figures *  * CH-A- 558 121 (H. PEIKER)  * Claims; figures *  * CH-A- 558 121 (H. PEIKER)  * Claims; figures *  * CH-A- 558 121 (H. PEIKER)  * Claims; figures *  * CH-A- 558 121 (H. PEIKER)  * Claims; figures *  * CH-A- 558 121 (H. PEIKER)  * Claims; figures *  * CH-A- 558 121 (H. PEIKER)  * Claims; figures *  * CH-A- 558 121 (H. PEIKER)  * Claims; figures *  * CH-A- 558 121 (H. PEIKER)  * Claims; figures *  * CH-A- 558 121 (H. PEIKER)  * Claims; figures *  * CH-A- 558 121 (H. PEIKER)  * Claims; figures *  * CH-A- 558 121 (H. PEIKER)  * Claims; figures *  * CH-A- 558 121 (H. PEIKER)  *	AT-A- 337 795 (R. GÖRİKE)  * Figures; page 2, lines 19-44; claim 1  *  2,3  GB-A- 819 146 (3TANDARD TELEPHONES AND CABLES)  * Page 1, lines 9-74; figures; claim 1  *  US-A-3 602 329 (B. BAUER)  * Figures; claims *  US-A-4 071 717 (W. FIDI)  * Column 2, lines 18-31; claims;  Figures *  EP-A-0 064 553 (SONY)  * Claims; figures *  EP-A-558 121 (H. PEIKER)  * Claims; figures *  EH-A- 558 121 (H. PEIKER)  * Claims; figures *  EH-A- 558 121 (H. PEIKER)  * Claims; figures *  EH-A- 558 121 (H. PEIKER)  * Claims; figures *  * EH-A- 558 121 (H. PEIKER)  * Claims; figures *  * EH-A- 558 121 (H. PEIKER)  * Claims; figures *  * EH-A- 558 121 (H. PEIKER)  * Claims; figures *  * EH-A- 558 121 (H. PEIKER)  * Claims; figures *  * EH-A- 558 121 (H. PEIKER)  * Claims; figures *  * EH-A- 558 121 (H. PEIKER)  * Claims; figures *  * E-E-IIII gate attention of the start of the same attention of the same attentio	Citation of document with indication, where appropriate.  Citation of document with indication, where appropriate.  AT-A- 337 795 (R. 66RIKE)  * Figures; page 2, lines 19-44; claim 1  * H 04 R  2,3  GB-A- 819 146 (3TANDARD TELEPHONES  AND CABLES)  * Page 1, lines 9-74; figures; claim 1  *  CUS-A-3 602 329 (B. BAUER)  * Figures; claims *  US-A-4 071 717 (W. FIDI)  * Column 2, lines 18-31; claims;  Figures *  EP-A-0 064 553 (SONY)  * Claims; figures *  EP-A-0 064 553 (SONY)  * Claims; figures *  CH-A- 558 121 (H. PEIKER)  * Claims; figures *  CH-A- 558 1	Citation of document with indication, where appropriate, of relevant pageages  AT-A- 337 795 (R. GÖRIKE)  * Figures; page 2, lines 19-44; claim 1  * # 04 R 1/22  # 04 R 1/10  2,3  GB-A- 819 146 (STANDARD TELEPHONES  AND CABLES)  * Page 1, lines 9-74; figures; claim 1  *   US-A-3 602 329 (B. BAUER)  * Figures; claims *  US-A-4 071 717 (W. FIDI)  * Column 2, lines 18-31; claims;  TECHNICAL FIELDS  SEARCHED (Int. Cl.4)  CH-A- 558 121 (H. PEIKER)  * Claims; figures *  CH-A- 558 121 (H. PEIKER)  * Claims; figures *  H 04 R  * H 04 R  * H 04 R  * H 04 R  * TECHNICAL FIELDS  SEARCHED (Int. Cl.4)  * H 04 R  * H 04 R  * H 04 R  * TECHNICAL FIELDS  SEARCHED (Int. Cl.4)  * H 04 R  * TECHNICAL FIELDS  SEARCHED (Int. Cl.4)  * H 04 R  * TECHNICAL FIELDS  * SEARCHED (Int. Cl.4)  * H 04 R  * TECHNICAL FIELDS  * SEARCHED (Int. Cl.4)  * H 04 R  * TECHNICAL FIELDS  * SEARCHED (Int. Cl.4)  * TECHNICAL FIELDS  * SEARCHED (Int. Cl.4)  * H 04 R  * TECHNICAL FIELDS  * SEARCHED (Int. Cl.4)  * TECHNICAL FIELDS  * SEARCHED (Int. Cl.4)  * H 04 R  * TECHNICAL FIELDS  * SEARCHED (Int. Cl.4)  * The present search report has been drawn up for all claims  * The field search and present in combination of the search and present in combined in combined in combination of the search and present in combined in combined in com

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